

661—16.629 (103A) Support and anchoring systems submission.

16.629(1) *Submission by manufacturer.* The manufacturer of each manufactured home installed in Iowa shall submit to the building code commissioner a copy of the installation instructions by mail in printed form and in an electronic form acceptable to the commissioner.

16.629(2) *Submission by licensed professional engineer.* A licensed professional engineer who designs a support and anchoring system for use in the installation of a manufactured home in Iowa shall submit to the building code commissioner a copy of the specifications and instructions for the system by mail in printed form and in an electronic form acceptable to the building code commissioner. A support and anchoring system designed by a licensed professional engineer shall not be utilized unless it has been submitted to the building code commissioner in compliance with this subrule.

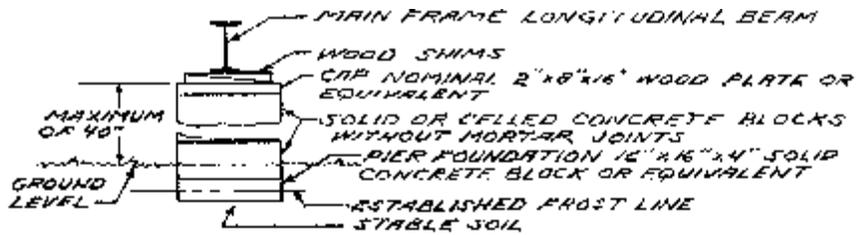
TABLE 6A
MINIMUM NUMBER OF TIEDOWNS
REQUIRED FOR SINGLEWIDE MOBILE HOMES

MOBILE HOME BOX LENGTH NOT EXCEEDING	MINIMUM NUMBER OF TIEDOWNS PER SIDE	
	DIAGONAL TIES	VERTICAL TIES*
40'-0"	3	2
54'-0"	3	2
73'-0"	4	2
84'-0"	5	2

*If more than minimum number of vertical or diagonal ties have been supplied, they shall all be used.

NOTES:

1. Doublewide mobile homes shall comply with Table 6A except that no vertical ties are required.
2. Wherever a vertical tie and a diagonal tie lie in a plane which is vertical and transverse to the main longitudinal beam, both ties may be connected to the same ground anchor, providing that particular anchor withstands both loadings.
3. This table shall be used only if there are no manufacturers approved installation requirements.



**FIGURE 1 - PIERS UP TO 40" IN HEIGHT
(SINGLE BLOCK CONSTRUCTION)**

NOTE: CORNER PIERS MORE THAN THREE (3) BLOCKS HIGH SHALL BE DOUBLE BLOCK CONSTRUCTION AS SHOWN IN FIGURES 2 & 3

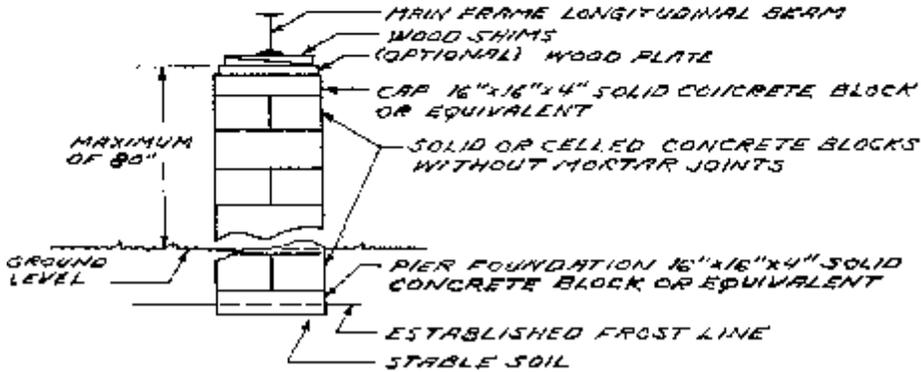


FIGURE 2 - PIERS OVER 40" IN HEIGHT AND NOT EXCEEDING 80" IN HEIGHT (DOUBLE BLOCK CONSTRUCTION)

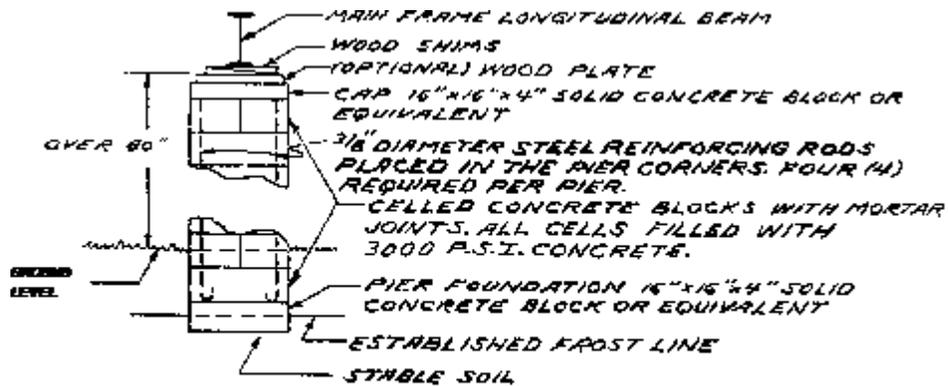
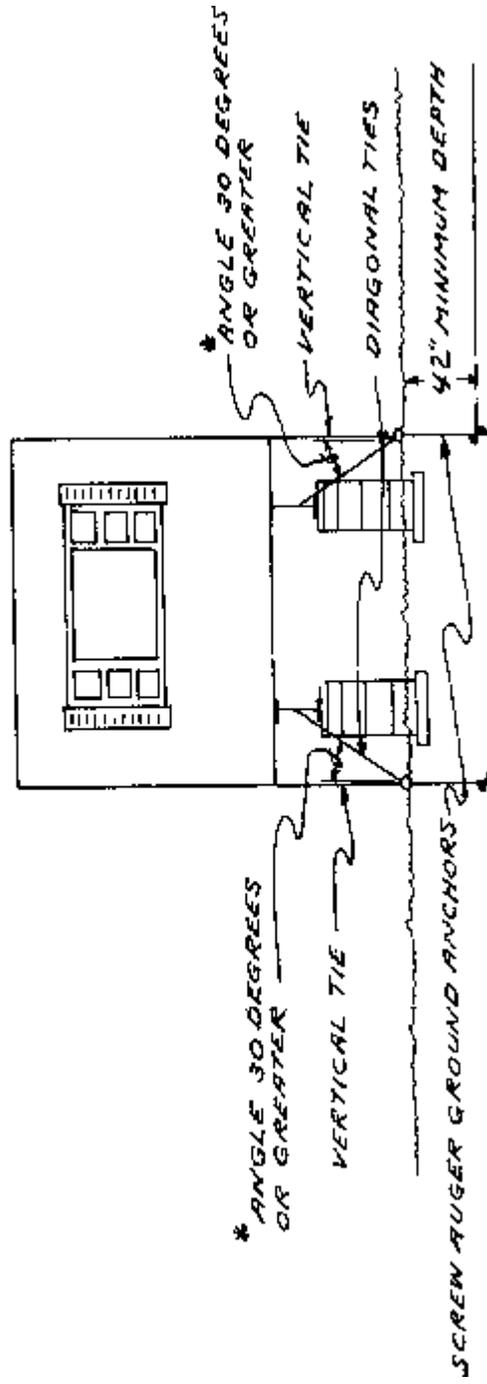


FIGURE 3 - PIERS OVER 80" IN HEIGHT (DOUBLE BLOCK CONSTRUCTION, STEEL REINFORCED)

FIGURE A

MOBILE HOME TIEDOWN



* ANGLE 30 DEGREES OR GREATER

VERTICAL TIE

DIAGONAL TIES

42" MINIMUM DEPTH

* ANGLE 30 DEGREES OR GREATER

VERTICAL TIE

SCREEN AUGER GROUND ANCHORS

* DIAGONAL TIE SHALL DEVIATE FROM A VERTICAL DIRECTION 30 DEGREES OR MORE.

FIGURE 5

DOUBLE WIDE MOBILE HOME TIEDOWN

* DIAGONAL TIE SHALL DEVIATE FROM A VERTICAL DIRECTION 30 DEGREES OR MORE.

